

Title (en)
CLEANER WITH HIGH PRESSURE CLEANING JETS

Title (de)
REINIGUNGSVORRICHTUNG MIT HOCHDRUCKREINIGUNGSSTRAHLEN

Title (fr)
APPAREIL DE NETTOYAGE A JETS DE NETTOYAGE DE HAUTE PRESSION

Publication
EP 1551571 A4 20060308 (EN)

Application
EP 03776462 A 20031017

Priority

- US 0333143 W 20031017
- US 27275402 A 20021017

Abstract (en)
[origin: US2004074524A1] A swimming pool cleaner discharges water jets under the cleaner body, directed toward its center from its sides, to agitate and lift debris toward one or more vacuum intake openings, to greatly enhance the cleaning ability of the cleaner. The suspended dirt and debris become semi-buoyant under the force of the jetted water which is preferably moving in the same direction as the cleaner, so that the relative speed between the cleaner and the suspended dirt and debris is reduced, thereby enabling the cleaner to move at a relatively faster rate and still clean with equivalent or even greater efficiency than a pool cleaner that is not equipped with directional cleaning water jets. In addition, displaced front and back orientations of the intake ports allow for longer time for any dirt and debris to be picked up.

IPC 1-7
B08B 1/00

IPC 8 full level
E04H 4/16 (2006.01)

CPC (source: EP US)
E04H 4/1654 (2013.01 - EP US); **E04H 4/1618** (2013.01 - EP US)

Citation (search report)

- [DXA] EP 1022411 A2 20000726 - AQUAPRODUCTS INC [US]
- [XA] US 5099535 A 19920331 - CHAUVIER DANIEL J V D [US], et al & US 5099535 A 19920331 - CHAUVIER DANIEL J V D [US], et al
- See references of WO 2004035237A2

Cited by
EP2787150A1; US9421581B2

Designated contracting state (EPC)
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)
US 2004074524 A1 20040422; US 6971136 B2 20051206; AT E399065 T1 20080715; AU 2003284282 A1 20040504; AU 2003284282 A8 20040504; CN 1307356 C 20070328; CN 1726333 A 20060125; DE 60321804 D1 20080807; EP 1551571 A2 20050713; EP 1551571 A4 20060308; EP 1551571 B1 20080625; ES 2307994 T3 20081201; US 2006048312 A1 20060309; US 7316751 B2 20080108; WO 2004035237 A2 20040429; WO 2004035237 A3 20041007

DOCDB simple family (application)
US 27275402 A 20021017; AT 03776462 T 20031017; AU 2003284282 A 20031017; CN 200380105884 A 20031017; DE 60321804 T 20031017; EP 03776462 A 20031017; ES 03776462 T 20031017; US 0333143 W 20031017; US 23359505 A 20050922